

# Additive Manufacturing Solution

*Compact and low-complexity approach to manufacturing*

## Technology

Powder-based solutions require an inert atmosphere chamber and inefficient energy sources such as lasers or e-beams, making them unsuitable for use outside of a very controlled manufacturing environment.

## Potential Application

This invention could also open the door to new applications of additive manufacturing for bigger or more complex parts using a variety of materials.

## Uniqueness

1. ESA combines conventional light-based heating with a wire feed, enabling a compact and low-complexity approach to manufacturing preforms of parts on demand.
2. The system is lightweight and easy to transport and operate in the field with minimum pre-requisites.

